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ABSTRACT

The materials listed were selected to provide insights into the role of information systems and technology in present day American society. Emphasized throughout the bibliography are the issues of right to privacy, research and development reporting, information access and policy, and legislator reliance on information services. Citations are presented in six categories: (1) tools and techniques; (2) governmental management; (3) the legislator; (4) social implications; (5) bibliographies, encyclopedias, dictionaries, and directories; and (6) related periodicals. Each section contains from 13 to 26 references with Library of Congress call numbers. (Author/SW)

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Report No. 79-16 SPR

TECHNOLOGY SUPPORTED INFORMATION SYSTEMS: Selected References

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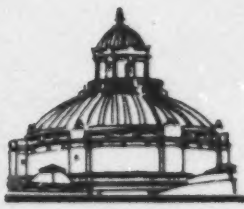

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SUMMARY

From the home to the work environment, computers and information-related technologies have become an integral part of the American societal scene. This biliography presents carefully selected materials -- in six categories -- that may provide the reader with some insight into the realm of information technology and systems in our everyday lives.

TECHNOLOGY-SUPPORTED INFORMATION SYSTEMS

Nowhere in the world today have the utilization and application of computers and information technology been greater than in American society. For more than a decade, information-based tools, techniques, and systems have been incorporated into nearly every aspect of our Nation's day-to-day operations. From getting a weekly paycheck to transacting bank business, purchasing groceries to charging luxuries, visiting the doctor for an examination to motivating children in a classroom, working on the job to running a home-based personal computer, information technology has some influence in the process. America truly has entered into Herman Kahn's "Post-industrial Society."

As this technology continues to grow, there has evolved a recognized need for the Nation's leadership, professionals, academics, and citizenry to understand the many uses of automatic data processing, microforms, word processing, and the so-called "analytical approach." While there currently exists a wealth of monographs, scholarly texts, and periodical articles in these areas, the purpose of this bibliography is to provide carefully chosen materials that may be of aid to legislators, staff professionals, and the general public in obtaining some insight into the realm of information technology and systems.

The bibliographic items included in this text are comprised of noted "classics" in the field of information technology and systems, while others are of more recent vintage. Each of the cited items are categorized, for ease of use, into several subsections. Due to the ever-increasing amount of professional journals and magazines dealing with the topics under discussion, a sixth section covering general periodicals has been added:

-- INFORMATION TECHNOLOGY TOOLS AND TECHNIQUES

-- INFORMATION TECHNOLOGY AND GOVERNMENTAL MANAGEMENT

-- INFORMATION TECHNOLOGY AND THE LEGISLATOR

-- INFORMATION TECHNOLOGY AND SOCIETY

-- INFORMATION TECHNOLOGY BIBLIOGRAPHIES, ENCYCLOPEDIAS, DICTIONARIES, AND DIRECTORIES

-- INFORMATION TECHNOLOGY PERIODICALS

Congress, as well as the executive branch, long has been interested in the advancement, practices, and procedures of information systems. The inclusion of numerous official hearings, reports, and committee prints reflects the Federal Government's concern for such topics as hardware acquisition, software standards, systems design and applications, and manpower utilization. Coinciding with the increased use and dependence upon information technology has been the evolution of new socio-economic and political problems. Highlighted among the following bibliographic sections are such problem areas as the right to privacy, research and development reporting, information access and policy, and legislator reliance on information services.

Thus, this infrastructure of source items will provide both an overview of and selective insight into the applications and implications of information technology.

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